

SPECIFICATION AMENDMENTS

Please amend the specification as follows:

Please amend paragraph No. 0029 beginning at page 8, line 17, of the specification to read as follows:

-- [0029]      The upper end 21 of the bladder is fixed relative coupled to a lower end 22 of the inner tubular member 14 by an assembly including an upper bladder adapter 23 and an inner tube connector 25. The upper bladder adapter 23 has a barbed fitting 24 or other structure allowing attachment to the cuff 21 at the upper end of the bladder 11. The ~~An~~ inner tube connector 25 can be used to couple the upper bladder adapter 23 to the inner tubular member 14. The inner tube connector 25 is preferably equipped with threads or other suitable means at each end to attach to the respective ends of the upper bladder adapter 23 and the inner tubular member 14. --

Please amend paragraph No. 0044 beginning at page 13, line 22, of the specification to read as follows:

-- [0044]      Next, the inner tubular member 14 is pushed down or into the outer tubular member 13 from the ground surface 15. As the inner tubular member 14 is pushed in during this compression stroke, the return spring 41 releases its energy by expanding, thereby helping to both pull the inner tubular member 14 downward and compress the pump bladder 11. As compression of the bladder 11 begins, the lower check valve 30 is closed to prevent fluid from escaping from the pump 10, and the upper

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check valve 31 is opened. As the bladder 11 is compressed during the compression stroke, fluid flows up the inner tubular member 14. Repeatedly pulling the inner tubular member 14 out and pushing it in (oscillating up and down) relative to the outer tubular member 13 causes fluid to be pumped to the surface and out the ~~end~~ outlet 14a of the inner tubular member 14 for collection as a sample or other desired use. --

Please amend paragraph No. 0057 beginning at page 17, line 7, of the specification to read as follows:

-- [0057]      *Sample Quality:* The mechanical bladder pump of the present invention does not significantly agitate or heat the sample, does not apply excessive vacuum ~~negative pressure~~ to the sample, and minimizes the velocity of flow and changes in flow velocity through the pump. Accordingly, the sample quality should exceed that of gear pumps, impeller pumps, peristaltic pumps, and vacuum pumps for environmental water quality sampling purposes. The sample quality should be similar, if not equivalent to, that obtained from gas driven bladder pumps when operated appropriately following the low flow rate, minimal draw down sampling procedures. --